

महाराष्ट्र शासन
पर्यावरण व वातावरणीय बदल विभाग
शासन निर्णय क्रमांक: ईएनव्ही-२०२५/प्र.क्र.३२(२)/तां.क.३
१५ वा मजला, नविन प्रशासकीय भवन,
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प्रस्तावना -

गोदावरी नदी ही देशातील गंगा नदीनंतरची सर्वात लांबीची नदी आहे. गोदावरी नदी ही नाशिक जिल्ह्यातील त्र्यंबकेश्वर येथे उगम पावून पुढे महाराष्ट्रातील अहिल्यानगर, छत्रपती संभाजीनगर, परभणी व नांदेड जिल्ह्यातून तेलंगणा, आंध्र प्रदेश, छत्तीसगड व ओडिशा या राज्यांमधून वाहत बंगालच्या उपसागरास मिळते. गोदावरी नदीची राज्यातील लांबी ही ५०४ कि.मी. असून नदीकाठावर नाशिक व नांदेड या महानगरपालिका तर कोपरगाव, पैठण, गंगाखेड, त्र्यंबकेश्वर या नगरपरिषदा / नगरपंचायती वसलेल्या आहेत. महाराष्ट्राचा सांस्कृतिक, आध्यात्मिक वारसा प्रवाहीत करणारी गोदावरी नदी सर्वासाठी श्रद्धेय आहे.

केंद्र शासनाच्या राष्ट्रीय जलगुणवत्ता मोजमाप योजनेनुसार देशातील नद्यांचे नियमितपणे सर्वेक्षण करून नदी प्रदूषणाच्या उतरत्या क्रमानुसार राज्यातील प्रदूषित नदी पट्ट्यांचे प्राथम्य क्र १ ते ५ मध्ये वर्गीकरण करण्यात येते. त्यानुसार महाराष्ट्र प्रदूषण नियंत्रण मंडळामार्फत सन २०२४ मध्ये केलेल्या सर्वेक्षणानुसार महाराष्ट्रातील गोदावरी नदीमधील सोमेश्वर मंदीर जि. नाशिक ते राहेड, जि. नांदेड या नदीपट्ट्याचा समावेश प्राथम्य क्र. ३ मध्ये करण्यात आला आहे. त्यानुषंगाने गोदावरी नदीमधील प्रदूषित नदीपट्ट्याचे पर्यायाने गोदावरी नदीचे प्रदूषण कमी करण्याकरीता गोदावरी नदी कृती आराखडा तयार करण्याची बाब पर्यावरण व वातावरणीय बदल विभागाच्या १०० दिवसांच्या कार्यक्रमांतर्गत समाविष्ट करण्यात आली होती.

त्यानुषंगाने महाराष्ट्र प्रदूषण नियंत्रण मंडळामार्फत नमामि गंगेच्या धर्तीवर व्यापक कृती आराखडा राबवण्याच्या अनुषंगाने सांडपाणी प्रक्रिया सुधारणा, औद्योगिक सांडपाणी नियंत्रण, कचरा व्यवस्थापन सुधारणा व अन्य अनुषंगिक उपाययोजनांचा समावेश करून याबाबतचा कृती आराखडा शासनास सादर करण्यात आला आहे. महाराष्ट्र प्रदूषण नियंत्रण मंडळाने सादर केलेल्या नमामि गोदावरी कृती आराखड्यास मान्यता देऊन सदर कृती आराखड्याची अंमलबजावणी करण्याकरीता संबंधित स्थानिक स्वराज्य संस्था / प्राधिकरणे यांना कालबद्ध कृती कार्यक्रम तयार करणेबाबत निर्देश देण्याची बाब शासनाच्या विचाराधीन होती. या अनुषंगाने शासन पुढील प्रमाणे निर्णय घेत आहे.

शासन निर्णय -

१. पर्यावरण व वातावरणीय विभागाच्या अंतर्गत असणाऱ्या महाराष्ट्र प्रदूषण नियंत्रण मंडळामार्फत तयार करण्यात आलेला व सोबत **परिशिष्ट-१** मध्ये जोडण्यात आलेला गोदावरी नदी कृती आराखडा अंमलबजावणीकरीता संबंधित स्थानिक स्वराज्य संस्था / प्राधिकरणे यांना पाठविण्यास मान्यता देण्यात येत आहे.

२. **कृती आराखडा अंमलबजावणी यंत्रणा** - सदर कृती आराखड्याच्या प्रभावी अंमलबजावणीच्या अनुषंगाने संबंधित शासकीय विभाग, शासन यंत्रणा शासकीय मंडळे व गोदावरी नदीकाठावर असलेल्या सर्व स्थानिक स्वराज्य संस्थांना सदर कृती आराखड्यामध्ये समाविष्ट सांडपाणी प्रक्रिया सुधारणा, औद्योगिक सांडपाणी नियंत्रण, कचरा व्यवस्थापन सुधारणा व अन्य अनुषंगिक उपाययोजनांची

अंमलबजावणी विहित कालावधीमध्ये करणे बंधनकारक राहिल. सदर आराखड्याच्या प्रभावी अंमलबजावणीसाठी गोदावरी नदीकाठावरील सर्व संबंधित स्थानिक स्वराज्य संस्था व आवश्यकतेनुसार संबंधित शासन यंत्रणा/ शासकीय मंडळे त्यांच्या कार्यक्षेत्रामध्ये अंमलबजावणी यंत्रणा म्हणून काम पाहतील. सर्व संबंधित शासकीय विभाग, मंडळे व स्थानिक स्वराज्य संस्था यांनी सदर विहित कृती आराखड्याची कार्यक्षम अंमलबजावणी सुनिश्चित करावी असे निर्देश देण्यात येत आहेत.

३. **कृती आराखडा संनियंत्रण यंत्रणा** - सदर आराखड्याच्या प्रभावी अंमलबजावणीसाठी संबंधित विभागीय आयुक्त यांच्या अध्यक्षतेखाली विभागीय कार्यकारी समिती गठीत करणेबाबत आवश्यक कार्यवाही विभागीय आयुक्त यांनी करावी. सदर समितीमध्ये संबंधित जिल्हाधिकारी, जिल्हा परिषद मुख्य कार्यकारी अधिकारी, संबंधित महानगरपालिका आयुक्त, जलसंपदा विभागाचे प्रतिनिधी, संबंधित नगरपरिषद/नगरपंचायतीचे मुख्याधिकारी, महाराष्ट्र प्रदूषण नियंत्रण मंडळाचे व महाराष्ट्र औद्योगिक विकास महामंडळाचे प्रतिनिधी, कार्यक्षेत्रामध्ये काम करणाऱ्या पर्यावरण विषयक स्वयंसेवी संस्थांचे किमान २ प्रतिनिधी तसेच विभागीय आयुक्त यांना आवश्यक वाटतील अशा अन्य प्रतिनिधींचा समावेश असेल. सदर विभागीय कार्यकारी समितीमार्फत कृती आराखड्याच्या अंमलबजावणीचे संनियंत्रण करण्यात येईल. त्यानुषंगाने आराखड्याच्या प्रभावी अंमलबजावणीसाठी आवश्यक बैठकांचे आयोजन करणे, संबंधित ठिकाणी भेटी देणे, आवश्यक मार्गदर्शन करणे, सर्व संबंधित यंत्रणा व स्थानिक स्वराज्य संस्था यांना वेळोवेळी आवश्यक निर्देश देणे तसेच एकंदरीत आराखड्याचे संनियंत्रण करणे इत्यादी कार्यवाही सदर समितीमार्फत करण्यात येईल.

४. **कृती आराखडा पर्यवेक्षकीय व देखरेख (मॉनिटरिंग) यंत्रणा** - सदर आराखड्याची विहित कालमर्यादेत प्रभावी अंमलबजावणी करण्यासाठी महाराष्ट्र प्रदूषण नियंत्रण मंडळ पर्यवेक्षकीय व देखरेख (मॉनिटरिंग) यंत्रणा म्हणून काम करेल. सदर आराखड्याच्या अंमलबजावणीच्या अनुषंगाने आवश्यक तांत्रिक सहाय्य/ मार्गदर्शन महाराष्ट्र प्रदूषण नियंत्रण मंडळामार्फत संबंधित शासकीय यंत्रणा व स्थानिक स्वराज्य संस्थांना वेळोवेळी उपलब्ध करून देण्यात येईल.

५. **कृती आराखडा आवश्यक निधीची तरतूद** - सदर आराखड्यामध्ये समाविष्ट सांडपाणी व्यवस्थापन, घनकचरा व्यवस्थापन व अन्य अनुषंगिक उपाययोजनांच्या अनुषंगाने विविध विभागांमार्फत राबविण्यात येणाऱ्या योजनांमधून प्राधान्याने निधी उपलब्ध करून देण्यात यावा. संबंधित प्रशासकीय विभागाने त्यांच्या अखत्यारीतील योजनांमधून निधी वितरीत करताना प्रदूषित नदी पट्ट्यांमध्ये प्रस्तावित प्रकल्पांना प्राधान्य देण्यात यावे. अंमलबजावणी यंत्रणांनी त्यांना आवश्यक निधी हा संबंधित प्रशासकीय विभागाकडे प्रस्ताव पाठवून आवश्यक त्या तांत्रिक व प्रशासकीय मान्यता घेऊन त्यानुसार उपलब्ध करून घ्यावा.

संबंधित जिल्ह्यामध्ये कार्यरत विविध उद्योगांच्या कंपनी सामाजिक दायित्व (सीएसआर) व कंपनी पर्यावरण दायित्व (सीईआर) निधीमधून या कामांकरीता आवश्यक निधी उपलब्ध करून घेण्याबाबतचा निर्णय विभागीय आयुक्त यांच्या अध्यक्षतेखाली गठीत समितीने घ्यावा. सदर प्रकल्पांकरीता उद्योगांचा कंपनी सामाजिक दायित्व (सीएसआर) व कंपनी पर्यावरण दायित्व (सीईआर) निधी या कामांकरीता वापरावयाचा झाल्यास याबाबतचे स्वतंत्र बँक खाते जिल्हाधिकारी कार्यालयाद्वारे तयार करण्यात यावे व सदर बँक खात्याच्या अनुषंगाने वेळोवेळी लेखापरीक्षण करून घेण्यात यावे. अशा प्रकारे सदर कृती आराखड्याच्या अंमलबजावणीसाठी आवश्यक निधी शासनाच्या विविध विभागाच्या योजना तसेच कंपनी सामाजिक दायित्व (सीएसआर) व कंपनी पर्यावरण दायित्व (सीईआर) मधून प्राप्त निधी यांचे एकत्रित अभिसरण (Convergence) करून उभारण्यात यावा. तथापि असे करताना कोणत्याही कामाच्या खर्चाची पुनरावृत्ती होणार नाही, याची दक्षता घेण्यात यावी.

संबंधित प्रशासकीय विभागांनी नदी संवर्धन हे राष्ट्रीय कर्तव्य गृहीत धरून सदर बाबीचे प्राथम्य विचारात घेता सदर आराखड्याच्या अनुषंगाने समाविष्ट उपाययोजनांसाठी संबंधित अंमलबजावणी यंत्रणांकडून प्राप्त प्रस्तावांना प्राधान्याने मान्यता देणे आवश्यक राहिल.

६. **कृती आराखडा अंमलबजावणी कालमर्यादा** - नमामि गोदावरी नदी कृती आराखड्यामध्ये विहित केलेल्या कालमर्यादांनुसार तीन वर्षांच्या आत (सन २०२८ पर्यंत) सदर आराखड्यामध्ये समाविष्ट उपाययोजना टप्प्याटप्प्याने पूर्ण करणे संबंधित शासकीय विभाग/ यंत्रणा/ स्थानिक स्वराज्य संस्था/ शासकीय मंडळे यांच्यावर बंधनकारक राहील.

७. **कृती आराखडा शासन स्तरावरील संनियंत्रण यंत्रणा** - सदर कृती आराखड्याच्या अंमलबजावणीबाबतचा अहवाल संबंधित विभागीय आयुक्त यांनी वेळोवेळी पर्यावरण व वातावरणीय बदल विभाग तसेच महाराष्ट्र प्रदूषण नियंत्रण मंडळास सादर करावा. सदर आराखड्याच्या अनुषंगाने कृती आराखड्यातील समाविष्ट कामांच्या प्रगतीबाबत आढावा दर तीन महिन्यांनी अ.मु.स./ प्र.स./ सचिव, पर्यावरण व वातावरणीय बदल विभाग यांच्या अध्यक्षतेखाली घेण्यात येईल.

८. **कृती आराखडा नियामक आणि देखरेख उपाय** - जल (प्रदूषण प्रतिबंध व नियंत्रण) अधिनियम, १९७४ व त्यामध्ये वेळोवेळी केलेल्या सुधारणांनुसार तसेच घनकचरा व्यवस्थापन नियम, २०१६ मधील तरतूदीनुसार प्रदूषण नियमांचे पालन न करणाऱ्या तसेच प्रदूषणास कारणीभूत ठरणारे उद्योग/ स्थानिक स्वराज्य संस्था/व्यक्ति यांच्यावर कायद्यातील विहित तरतूदीनुसार आवश्यक कारवाई करणेबाबतची दक्षता संबंधित यंत्रणेने घ्यावी. प्रदूषण कर्त्यांनी प्रदूषक देय तत्व (Polluters to Pay) म्हणजेच प्रदूषणासाठी जबाबदार असणाऱ्या व्यक्ती किंवा संस्थेने प्रदूषणामुळे होणाऱ्या नुकसानीचा खर्च स्वतःच सोसावा असा नियम आहे. या तत्वाअंतर्गत प्रदूषण कर्त्यावर कारवाई करण्यात यावी.

९. **विविध शासकीय विभागामार्फत करावयाची कार्यवाही** - सदर आराखड्यामध्ये समाविष्ट केल्यानुसार शासनाच्या विविध विभागाकडे दर्शविण्यात आलेल्या उपाययोजना या संबंधित शासकीय विभाग जसे नगरविकास विभाग, उद्योग विभाग, जलसंपदा विभाग, कृषि विभाग व अन्य आवश्यक विभाग यांच्यामार्फत विहित कालमर्यादित राबविण्यात येतील, याबाबत संबंधित विभागांनी आवश्यक दक्षता घ्यावी.

१०. **सार्वजनिक सहभाग आणि जागरूकता** - संबंधित शासकीय कार्यालये/ मंडळे स्थानिक स्वराज्य संस्था यांनी स्थानिक नागरीक, पर्यावरण क्षेत्रामध्ये काम करणाऱ्या स्वयंसेवी संस्था, स्थानिक मंडळे, शाळा, महाविद्यालये यांना सदर आराखड्याच्या प्रभावी अंमलबजावणीच्या अनुषंगाने सहभागी करून घ्यावे.

११. सर्व मंत्रालयीन विभागांनी उपरोक्त शासन निर्णय त्यांच्याशी संबंधित स्थानिक यंत्रणेच्या निदर्शनास आणून देऊन सदर कृती आराखड्याची अंमलबजावणी करण्याबाबत सूचना देण्यात याव्यात.

१२. सदर शासन निर्णयातील सूचना या पर्यावरण संरक्षण अधिनियम, १९८६ मधील कलम ५ नुसार पर्यावरण संरक्षणासाठी व प्रदूषण रोखण्यासाठी करावयाच्या उपाययोजनांच्या अनुषंगाने देण्यात आलेले निर्देश समजण्यात यावेत.

सदर शासन निर्णय महाराष्ट्र शासनाच्या www.maharashtra.gov.in या संकेतस्थळावर उपलब्ध करण्यात आला असून त्याचा संकेतांक २०२५०४३०१४०६२४२७०४ असा आहे. हा आदेश डिजिटल स्वाक्षरीने साक्षांकित करून काढण्यात येत आहे.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने.

(चंद्रकांत विभूते)

उप सचिव, महाराष्ट्र शासन

प्रत -

१. मा. मुख्यमंत्री यांचे प्रधान सचिव, मंत्रालय, मुंबई ३२.
२. मा. उपमुख्यमंत्री (नगर विकास) यांचे खाजगी सचिव, मंत्रालय, मुंबई ३२.
३. मा. उपमुख्यमंत्री (वित्त व नियोजन) यांचे खाजगी सचिव, मंत्रालय, मुंबई ३२.

४. मा. विरोधी पक्ष नेते, महाराष्ट्र विधान परिषद, यांचे खाजगी सचिव, विधानभवन, मुंबई.
५. मा. मंत्री, पर्यावरण, यांचे खाजगी सचिव, मंत्रालय, मुंबई ३२.
६. मा. मंत्री, ग्राम विकास विभाग, यांचे खाजगी सचिव, मंत्रालय, मुंबई ३२.
७. मा. मंत्री, जलसंपदा विभाग, यांचे खाजगी सचिव, मंत्रालय, मुंबई ३२.
८. मा. मंत्री, जलसंधारण विभाग, यांचे खाजगी सचिव, मंत्रालय, मुंबई ३२.
९. मा.पालकमंत्री, नाशिक, अहिल्यानगर, परभणी व छत्रपती संभाजीनगर जिल्हा यांचे खाजगी सचिव, मंत्रालय, मुंबई ३२.
१०. महालेखापाल (लेखा व अनुज्ञेयता) महाराष्ट्र राज्य (मुंबई व नागपूर).
११. मुख्य सचिव, महाराष्ट्र शासन, मंत्रालय, मुंबई ३२.
१२. अ.मु.स./प्रधान सचिव/सचिव, नियोजन विभाग मंत्रालय, मुंबई ३२.
१३. अ.मु.स./प्रधान सचिव/सचिव, वित्त विभाग मंत्रालय, मुंबई ३२.
१४. अ.मु.स./ प्रधान सचिव/सचिव, नगर विकास विभाग (२) मंत्रालय, मुंबई ३२.
१५. अ.मु.स./प्रधान सचिव/सचिव, उद्योग विभाग, मंत्रालय, मुंबई ३२.
१६. अ.मु.स./प्रधान सचिव/सचिव, पर्यावरण विभाग मंत्रालय, मुंबई ३२.
१७. अ.मु.स./प्रधान सचिव/सचिव, ग्राम विकास विभाग मंत्रालय, मुंबई ३२.
१८. अ.मु.स./प्रधान सचिव/सचिव, जलसंपदा विभाग मंत्रालय, मुंबई ३२.
१९. अ.मु.स./प्रधान सचिव/सचिव, जलसंधारण विभाग मंत्रालय, मुंबई ३२.
२०. अ.मु.स./प्रधान सचिव/सचिव, पाणीपुरवठा व स्वच्छता विभाग मंत्रालय, मुंबई ३२.
२१. सदस्य सचिव, महाराष्ट्र प्रदूषण नियंत्रण मंडळ, सायन, मुंबई.
२२. मुख्य कार्यकारी अधिकारी, महाराष्ट्र औद्योगिक विकास महामंडळ, मुंबई.
२३. आयुक्त तथा संचालक नगरपरिषद प्रशासन संचालनालय, वरली, मुंबई.
२४. संचालक (निरी), नागपूर.
२५. विभागीय आयुक्त, नाशिक व छत्रपती संभाजीनगर.
२६. जिल्हाधिकारी, नाशिक, अहिल्यानगर, परभणी व छत्रपती संभाजीनगर.
२७. मुख्य कार्यकारी अधिकारी, जिल्हा परिषद, नाशिक, अहिल्यानगर, परभणी व छत्रपती संभाजीनगर.
२८. आयुक्त, नाशिक व छत्रपती संभाजीनगर महानगरपालिका.
२९. मुख्याधिकारी त्र्यंबकेश्वर, कोपरगाव, पैठण व गंगाखेड नगरपरिषद / नगरपंचायत.

परिशिष्ट - १

ACTION PLAN

FOR CLEAN-UP OF POLLUTED STRETCH OF

GODAVARI RIVER

2025

CONTENTS

GODAVARI RIVER (Someswar Temple, Nasik to Raher)	5
1.1 Executive Summary	5
1.2 Background	14
1.3 Status of Sewage Generation and Treatment	17
1.4 An insight of the Cities/ Towns Located on Godavari from Nasik D/s to Paithan	19
1.4.1 Tryambakeshwar	19
1.4.2 Nasik	19
1.4.3 Kopargaon	19
1.4.4 Paithan	20
1.4.5 Gangakhed	20
1.4.6 Nanded	20
1.5 Drain out-falling in River Godavari	24
1.6 Status of Water Quality	26
1.7 Status of Industrial Effluent and Treatment facilities	34
1.8 Waste Management	38
1.9 Greenery Development Plan of Forest Department, Government of Maharashtra	39
1.10 Plan for restoration of water quality	40
1.11 Budget Estimates	44
1.12 Timelines for Implementation of Restoration Plan	45
1.13 Governance and Supervision	45
1.13.1 Two Tier Monitoring	45
1.13.2 District Level Special Task Force	45
1.13.3 River Rejuvenation Committee	45

LIST OF TABLES

Table 1 Principal Tributaries of River Godavari and its Length in km	14
Table 2 Polluted River Stretches of River Godavari	16
Table 3 Introduction of river stretch	16
Table 4 Status of Sewage Treatment	17
Table 5 Major Cities/Towns on Polluted River Stretches	18

Table 6 Details of Under Construction /Proposed Sewage Treatment Plants.....	21
Table 7 Domestic sewage aspects on the river stretch	22
Table 8 Mean of Annual Performance of STPs in Chh. Sambhajinagar Region	23
Table 9 Mean of Annual Performance of STPs in Nashik Region	23
Table 10 Primary Details of Drains in Nasik city.....	24
Table 11 Primary Details of Drain in Gangakhed city	25
Table 12 Primary Details of Drain in Nanded City	25
Table 13 Particulars of Drains Falling into River Godavari.....	26
Table 14 Status of Water Quality in Drain	26
Table 15 Water Quality Monitored at Dhalegaon	25
Table 16 Water Quality Monitored at U/s of Gangapur Dam	28
Table 17 Water Quality Monitored at Panchvati, Ramkund	28
Table 18 Water Quality Monitored at Raher	28
Table 19 Water Quality Monitored at Intake of Pump house	29
Table 20 Water Quality Monitored at Nasik D/s near Amardham	29
Table 21 Water Quality Monitored at Jaikwadi Dam.....	29
Table 22 Water Quality Monitored at Latur Water Intake near Pump house.....	30
Table 23 Water Quality Monitored at Paithan U/s of Paithan Intake Pump house.....	30
Table 24 Water Quality Monitored at D/s of Paithan at Pathegaon Bridge	30
Table 25 Water Quality Monitored at U/s of Chh. Sambhajinagar Reservoir Kaigaon Tokka near Kaigaon Bridge	31
Table 26 Water Quality Monitored at Jalna Intake Water Intake Water Pump house, Shahagad ..	31
Table 27 Water Quality Monitored at Someshwar Temple.....	31
Table 28 Water Quality Monitored at Hanuman Ghat	32
Table 29 Water Quality Monitored at Tapovan	32
Table 30 Water Quality Monitored at Kapila-Godavari Confluence Point.....	32
Table 31 Water Quality Monitored at Saikheda.....	33
Table 32 Water Quality Monitored at Nandur-Madhameshwar Dam.....	33
Table 33 District wise particulars of Industries	35
Table 34 Particulars of Industries	37
Table 35 Status of Waste Management	38

Table 36 Time bound Action Plan to improve water quality for Godavari River.....	42
Table 37 Long term action plan.....	43

LIST OF FIGURES

Figure 1 Stretch of Godavari River	14
Figure 2 Map Showing Stretch of River Godavari.....	15
Figure 3 Map Showing NWMP Stations across Stretch of Godavari River	27

GODAVARI RIVER (Someshwar Temple, Nasik to Raher in District Nanded)

1.1 Executive Summary

Sr. No.	Description of Item	Details
1.	Name of the identified polluted river and its tributaries	: Someshwar Temple to Rahed Tributaries: Darna, Manjara, Purna, Pravara, Sindphana
2.	Is river is perennial and total length of the polluted river	: Non- perennial Length- 504 Km
3.	Priority	: 2018 Priority I (BY CPCB) 2022 Priority II (BY CPCB) 2024 Priority III (BY MPCB)
4.	No of drains contributing to pollution and names of major drains	: 1. Chikhali Nalla 2. Gangapur/Bardan phata nalla. 3. Someshwar Nalla. 4. Anadwali Nalla 5. Kaplichia Nallah, Tal. Gangakhed, Dist. Parbhani 6. Chunal Nallah (Back side of Kadhakpur to Godavari river)
5.	Major Towns on the banks of the river with population	: 1. Nashik - 1,486,053 2. Kopargaon - 65,273 3. Tryambakeshwar - 168,423 4. Paithan - 41,536 5. Gangakhed - 49,891 6. Nanded - 550,439
6.	a. Sewage generation & Treatment in MLD	: Total Water consumption 1. Nanded- 125 MLD 2. Gangakhed- 2.0 MLD 3. Paithan – 2.4 MLD 4. Nashik-450 MLD Total Sewage generation 1. Nanded- 92.8 MLD 2. Gangakhed- 1.5 MLD 3. Paithan – 1.9 MLD 4. Nashik- 365 MLD
	b. Total no. of existing STPs and the total capacities in MLD	: 1. Paithan-1.7 MLD 2. Nanded- 03 Nos of STPs with Capacity 132 MLD 3. Nashik- 10 Nos of STPs with Capacity-392.5 MLD

	c. Gaps in sewage treatment in MLD and no. of towns not having STPs	:	Gap in the Treatment is 14.1 MLD for Nashik City. STPs for small towns will be completed by 2028. For rest of the towns MPC Board has proposed funding
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			plan to install sewage treatment facilities in next three years. e.g. Gangakhed town Nanded Gap in the Treatment 16.5 MLD		
7.	Major industrial estates located with total no. of industries	:	Industrial Estate	No. of Industries	
			Satpur, Ambad, and Nanded	201 (Effluent generating)	
	a. Total water consumption and total industrial effluent generation in MLD	:	Total Water consumption – 28.70 MLD Total Eff. Generation – 15.30 MLD		
	b. No. of industries having captive ETPs and their treatment capacity in MLD	:	201 MPCB does not permit treated/untreated industrial effluent discharge into the River.		
	c. No of CETP's and their treatment capacity	:	Proposed CETP of capacity 0.5 MLD at MIDC Satpur		
	d. Gaps in treatment of industrial effluent	:	No gap in effluent treatment.		
8.	Waste Management	:			
	a. Solid Waste Generation & processing	:	1. Nanded– 250 MT/day 2. Gangakhed- 16 MT/day 3. Paithan – 6.0 MT/day 4. Nashik – 558 MT/day • Municipal Council, Paithan has provided composting facility at Panthewadi, which is about 2.5 km away from river Godavari. • Municipal Council, Gangakhed near the polluted stretch has provided landfill site with dry and wet processing technology. • Municipal Corporation Nanded has provided dumping ground at a distance of more than 2 km from river Godavari. • Nashik Municipal Corporation treats 501 MT/day through Composting, Biomethanization, RDF System.		
	b. Biomedical Waste Generation & treatment	:	District	Qty Generated (Kg/day)	Treatment Capacity

			Nashik	3000	Incinerator - 250 Kg/Hr Autoclave - 400 liter/cycle
			Chh. Sambhajinagar	1600	Incinerator - 250 Kg/Hr

					Autoclave - 400 liter/cycle
			Nanded	904	Incinerator - 100 kg/hr Autoclave - 50 liter/cycle
	c. E-Waste Management Generation & treatment	:	E-waste generated by industries is sent to MPCB authorized E-waste reprocessor.		
	d. Hazardous waste Management	:	HW generated from industry is disposed through CHWTSDF. MEPL Ranjangaon:- Direct Landfilling:-60000 MT/A, Stabilization :- 15,000 MT/A, Incineration :-25,000 MT/A Lifespan – 25 years from 2007.		
9.	Action plan includes mainly covering aspect such as (Proposal for utilisation of sewage, ground water recharging or rain water harvesting, measures for regulating ground water use, protection and management of flood plain zone, maintaining minimum E-flows and water shed management, plantation on both sides of the river, setting up of bio-diversity parks etc., as per Hon'ble NGT Orders dated 20.09.2018 and 19.12.2018)	:	RRC has already communicated to Water Resource Dept, GoM for maintaining minimum E-flows and water shed management, plantation on both sides of the river, setting up of bio-diversity parks.		
10.	Min. and Max. required time period for implementation of action plans		Min 1 Years, Max 4 Years		
11.	Total estimated budget in crores towards implementation of proposed action plans with break-up (e.g. No. of STPs, capacity, total cost; No of CETPs, total capacity, Cost towards interception and diversion of sewage/effluent to STPs/CETPs etc.,)	:	STP Nanded – 72 Cr, Paithan – 46 Cr, Nashik – 59 Cr, Cost of Sewage network & other allied works not included		

12.	Whether „River Rejuvenation Committee (RRC) constituted by the State Govt./UT Administration and If so, Date of constitution of „RRC“.	:	River Rejuvenation Committee (RRC) constituted as per the Maharashtra Government G.R. issued by the Environment Dept, GoM vide No. NGT 2018/PC-2/TC-3 dtd.13.12.2018.
13.	Responsible Organisation (s) for implementation of proposed action plans (Please enclose details as annexure)	:	1. Water Resource Department, GoM 2. Urban Development Department 3. Nashik Municipal Corporation 4. Nanded – Waghala Municipal Corporation

			5. Gangakhed Municipal Council 6. Paithan Municipal Council 7. Kopargaon Municipal Council And other Large Grampanchayts
14.	Expected deliverables w r to achieving Goals	:	1. To achieve 100% sewage collection and treatment 2. To achieve 100% MSW collection, transportation and treatment. 3. To achieve river water quality of Bathing standards by 2028. 4. Augmentation of River Flow and restoration of water quality-2028

15.	Initiatives taken by Govt. of Maharashtra and MPCB.	:	<ul style="list-style-type: none"> • Maharashtra Government through it's forest department has announced The Plantation Program • GOM, announced „Namami Chandrabhaga • MPC Board will provide financial & technical assistance to villages in next three years to comply with sewage & waste management. • MPC Board has issued Direction to the local bodies to make 25% budgetary provision for scientific treatment and disposal of Sewage and Solid Waste. Accordingly, Municipal Corporations have passed resolution in their General Body meeting and reserved the funds. These funds are reserved and made mandatory to utilise for preparation of DPR, establishing treatment facility, O & M of treatment facility etc. The review of the same is taken from time to time by the Board. • MPC Board has issued directions to 08 Municipal Corporations to penalize to the tune of 1pais/litre of sewage generation under „Polluter pays principle“. • MPC Board has issued directions to non-complying CETPs to penalize to the tune of 2 paisa/litre for remediation & upgradation to comply with the consented standards.
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			<ul style="list-style-type: none"> • MPC Board has issued directions to non-complying CETPs to penalize to the tune of 2 paisa/litre for remediation & upgradation to comply with the consented standards.
	Budget Estimates & Pooling of Resources from Local Bodies, State Pollution Control Board, State Government & Central Government		Gangapur Municipal Council, Paithan Municipal Council, Nanded Municipal Council, Beed Municipal Council, Pimpalgaon Municipal Council & Nashik

		<p>Municipal Corporation will provide adequate funds of. for STPs & management of sewerage system. The said work will be completed by 2028</p> <ul style="list-style-type: none"> • Maharashtra Government has already received proposal of Rs. 1104.54Cr. Under State River Conservation Program & from this amount State Government will provide necessary funds in next 3 years by 2028 for Sewage management • The Maharashtra Pollution Control Boards has also reserved Rs. 461.42Cr. for preparation of action plan for abatement & Control of Pollution of River Water due to sewage & solid waste disposal from B & C Municipal Councils (Urban Local Bodies.), Nagar Panchayat & Gram Panchayat for reducing polluted stretches in compliance with Hon^{ble} NGT, principal bench directions w.r.t. "More River Stretches are now Critically Polluted. The said funds will be used for DPR preparation, development of infrastructure for sewage collection & treatment & development of infrastructure for Solid Waste Management. The DPR preparation & implementation of the same will be completed by year 2028 (i.e in next 3 years). • The Maharashtra Government through Urban Development Department has approved DPR of all Urban Local Bodies for Solid Waste Management. The funds for the same amounting to Rs. 2560.0Cr has been already approved by Government & the said DPRs will be implemented & Solid Waste Management issues will be resolved by 2028.
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Preamble -

In the matter of OA No. 673 of 2018-"More river stretches are critically polluted now: CPCB", the Hon'ble NGT has passed order dated 20.09.2018 for constitution of River Rejuvenation Committee (RRC) and Special Environment Surveillance Task Force (SESTF). The report comprises 351 polluted river stretches in India out of which 53 polluted river stretches are in Maharashtra. In the state, 9 polluted stretches in priority I & 6 polluted stretches in priority II. It has been mandated to prepare Action Plan for River Stretches and make them pollution free. In compliance of the orders of the Hon'ble NGT, the State Government has constituted RRC.

River Rejuvenation Committee (RRC) constituted as per the Maharashtra Government G.R. issued by the Environment Dept, GoM vide No. NGT 2018/PC-2/TC-3 dtd.13.12.2018 with 5 members under the guidance of Principal Secretary for preparation of action plans and to monitor the implementation of these action plans. The members of RRC are as mentioned under:

1. Commissioner / Director, Directorate of Municipal Administration
2. Chief Executive Officer – Maharashtra Industrial Development Corporation
3. Director (Environment)
4. Director (Industries)
5. Member Secretary – Maharashtra Pollution Control Boards- Member & Co-ordinator of RRC

Further State Government also constituted District Level Special Task Force comprising of the following:

1. Representative of District Collector
2. Representative of District Superintendent of Police
3. Representative of Regional Officer, MPCB
4. Representative of the District Judge of the concerned District

Meetings of the RRC Committee:

- 1st Meeting of River Rejuvenation Committee (RRC) convened on 14.12.2018.
RRC reviewed draft action plans of polluted river stretches of Priority I prepared by Maharashtra PCB. It was decided by the all the committee members, to take review of local bodies and accordingly to communicate the outcomes of the meeting to the Hon'ble NGT, Principal Bench. Maharashtra PCB submitted nine draft action plans of polluted river stretches of Priority I to CPCB along with minutes of 1st meeting of RRC and submitted progress report of polluted river stretches to Hon'ble NGT on 15.12.2018

- 2nd Meeting of River Rejuvenation Committee (RRC) convened on 09.01.2019.
RRC reviewed draft action plans of polluted river stretches of Priority II prepared by Maharashtra PCB. It was decided in the meeting to add in the draft action plans funding details like source, name of scheme, timeline etc for proposed STPs by concern local bodies.
- 3rd Meeting of River Rejuvenation Committee (RRC) convened on 23.01.2019.
RRC reviewed and finalised draft action plans of polluted river stretches of Priority I, II, III, IV and V prepared by Maharashtra PCB. RRC also decided to call the local bodies and review the timelines proposed in action plans from time to time.
- Maharashtra PCB submitted 53 draft action plans of polluted river stretches of Priority I, II, III, IV and V to CPCB along with minutes of 2nd & 3rd meeting of RRC and submitted progress report of polluted river stretches to Hon^{ble} NGT on 31.01.2019.
- CPCB Task Team on Polluted River Stretches called MPCB to give presentation on Action Plan for Priority-I & II polluted river stretches on 12.02.2019. Accordingly, the presentations were reviewed by Task team & few improvements in the action plan were suggested.
- 4th Meeting of River Rejuvenation Committee (RRC) held on 16/02/2019 & it was decided to communicate with Water Resource Department to maintain e-flow in the rivers of Maharashtra adopting good irrigation practices, protection & management of flood plain zone (FPZ), rain water harvesting, ground water charging, planation on both sides of river, Setting up of biodiversity parks on flood plains by removing encroachments and Urban Development department communicated to take necessary steps to provide adequate funds to urban local bodies for installation of sewage treatment & MSW processing facilities in a time bound manner so as to comply with the Hon^{ble} NGT.
- 5th Meeting of River Rejuvenation Committee (RRC) held on 25/06/2019. It was decided that Director Environment will communicate with Water Resource Department and Urban Development Department regarding provision of funds in time bound manner for installation of STPs & MSWM facilities. RRC reviewed and approved Action Plans for restoration of polluted river stretches in priority III, IV & V.
- 6th Meeting – Meeting of River Rejuvenation Committee (RRC) held on 05/11/2019. Discussed issue about funds & implementation in time bound manner of STPs & MSWM facilities.
- 7th Meeting – 28.03.2025 – In this meeting issue of Godavari River was not discussed. Issue of Pawana river was discussed.

Achievable goal:

The objective/goal of the action plan is that the quality of river water should meet with the required value as given under:-

Quality Parameter	Standard to be achieved
BOD	3.0 mg/l.
Dissolved Oxygen (DO)	More than 5.0 mg/l.
Faecal Coliform	Less than 500 MPN/100ml.

1.2 Background

The Godavari River rises in northwestern Maharashtra state in the Western Ghats range, only about 50 miles (80 km) from the Arabian Sea, and flows for most of its course generally eastward across the broad plateau of the Deccan (peninsular India). From its source to the Eastern Ghats, the Godavari River flows through gentle, somewhat monotonous terrain, along the way receiving the Darna, Purna, Manjra, Pranhita, and Indravati rivers.

Considering the ever increasing problem of river water pollution, Central Pollution Control Board (CPCB) decided to carry out comprehensive study on polluted river stretches. Hence accordingly directions were given to Maharashtra Pollution Control Board (MPCB) to carry out



Figure 1 Stretch of Godavari River

such comprehensive studies on prescribed river stretches. To assess the river water quality and ground truthing, field visits, sample collection and group discussion were carried out at all locations. The sample collection, preservation and analysis of samples were done as per methods given in the manual of American Public Health Association (APHA, 2001) and each water sample were analyzed for physico-

chemical and microbiological parameters. Polluted river stretches on river Godavari is from Someshwar temple to Rahe (10 locations). Major Cities/ Towns on Polluted River Stretches Major cities/ towns on polluted river stretches are Trimbakeshwar, Nasik, Kopergaon, Paithan, Gangakhed and Nanded. The sampling was carried out for all identified polluted stretches. The samples were tested for physico-chemical analysis including the metals and pesticides. With these laboratory results, it will enable to analyze the impact of human activities on the identified locations with respect to its upward and downward stream.

Table 1 Principal Tributaries of River Godavari and its Length in km

Sr. No.	Name of River	Elevation of Source	Length of Tributary (km)	Catchment Area (sq.km.)
1.	Upper Godavari (source to Manjira confluence)	1,067	675	33502

2.	Pravara	1,050	208	6537
3.	Purna	838	373	15579
4.	Manjra	823	724	30844
5.	Middle Godavari(between Confluence points Manjra and Pranhita)	323	328	17205
6.	Maner	533	225	13106
7.	Painganga	686	676	23898
8.	Wardha	777	483	24087
9.	Pranhita	640	721	61093
10.	Lower Godavari (Pranhita Confluence to sea)	107	462	24869
11.	Indravati	914	535	41665
12.	Sabari	1,372	418	20427

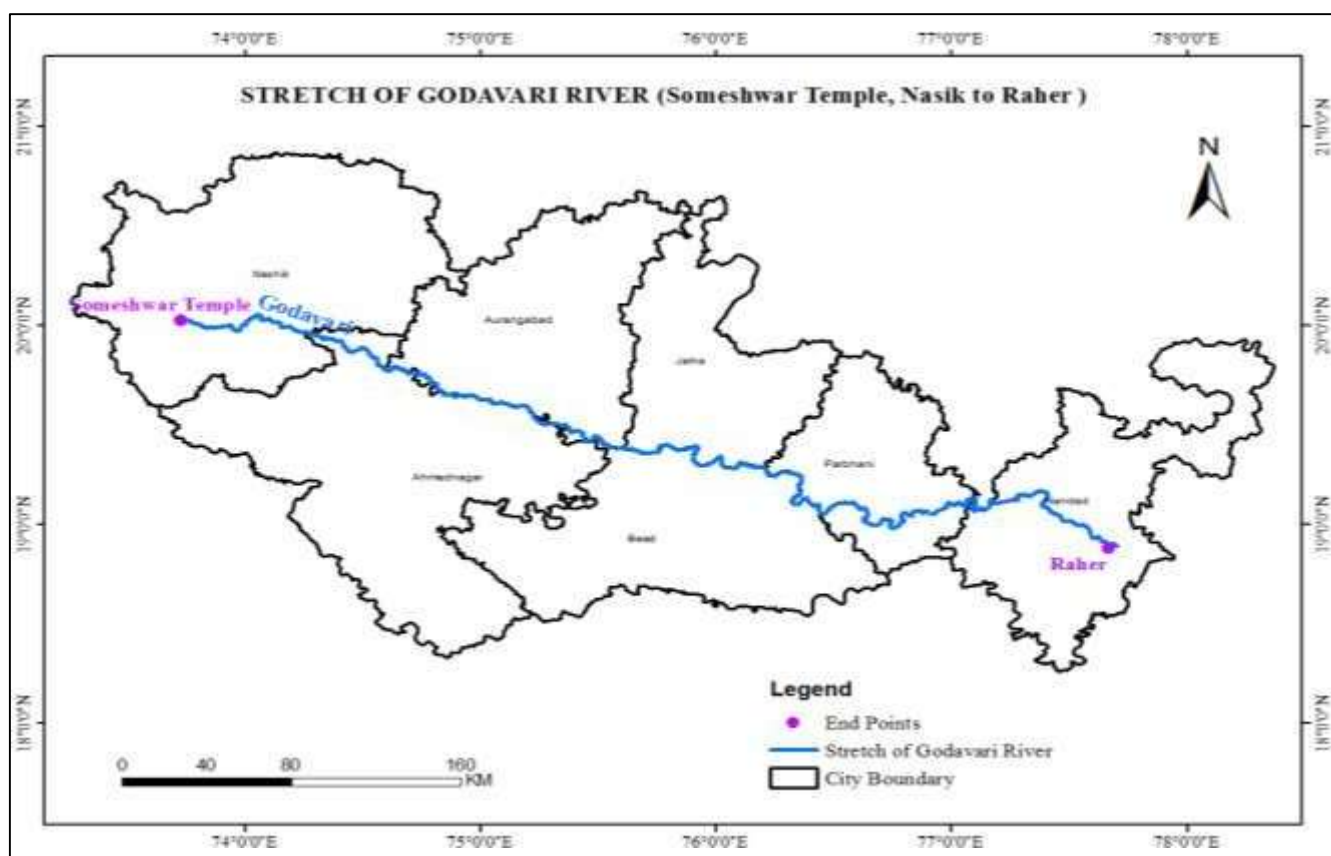


Figure 2 Map Showing Stretch of River Godavari

Table 2 Polluted River Stretches of River Godavari

River	Polluted Stretch	Monitoring Location
Godavari	Nasik D/s to Paithan	U/S of Gangapur Dam, Nasik
		Near Someshwar Temple
		Hanuman Ghat, Nasik
		Panchavati at Ramkund
		Tapovan
		Kapila Godavari, confl. Point, Tapovan
		Saikheda
		U/s of Paithan, Jayakwadi
		D/s of Paithan, Pathegaon
		Raheer in District Nanded

The river is non-perennial in nature and the flow in non-monsoon is attributed to the release of water from various dams. Most of the river basin remains dry in lean season. The river stretch extends from Someshwar Temple in Nashik to Raheer in Nanded District. Length of the stretch is approximately 504 Km. Major towns like Nashik, Nanded, Paithan, Gangakhed & Tryambakeshwar are situated on the bank of Godavari.

The current status of the river as per the monthly sampling conducted between January to December 2018 reveals that water quality of the river falls in Priority III i.e. max BOD 32 mg/l.

Table 3 Introduction of river stretch

Sr. No.	Description of item	Details
1	Approx. length of stretch	504 km
2	Major Towns located on the bank along with Population	1. Nashik 2. Tryambakeshwar 3. Paithan 4. Gangakhed 5. Nanded
3	Stretch of River Perennial or Non Perennial	Non Perennial The river flows only when water discharge from dam & rainy season.
4	Water usage in the stretch	Irrigation purpose
5	Current status of polluted river stretch-2024	Priority III

1.3 Status of Sewage Generation and Treatment

Major cities/towns on polluted river stretches are Tryambakeshwar, Nasik, Kopargaon, Paithan, Gangakhed and Nanded.

Table 4 Status of Sewage Treatment

City Name	STP Location	STP Commissioned in (Year)	Status (Operational/Non-Operational/Under Construction)	STP Installed Capacity (MLD)	STP utilization capacity (MLD)	Technology (UASB/ASP/OP/SBR/MBR/FAB etc.)	Disposal (land, River, Sea or any other)
Nanded	STP at Elichpur, Nanded	2012	Operational	30	12	Primary & Secondary	Godavari River
	STP at Bondar, Nanded	2012	Operational	87	30	Primary & Secondary	Godavari River
	STP at Sangvi, Nanded Dunkin STP of 10 MLD is proposed at Nanded.	2024	Operational Proposed	15 10	15	Primary & Secondary Primary & Secondary	Godavari River
Nashik	Gangapur- Phase-II	2028	Proposed	11.5	-	Primary & Secondary	Godavari River
Nashik	Makhmalabad	2028	Proposed	50	-	Primary & Secondary	Godavari River
Nashik	Kamatwada	2018	Proposed	66	-	Primary & Secondary	Godavari River
Nashik	Chehedi STP	2006	Operational	22	20	UASB	Darna River
	Chehedi STP	2012	Operational	20	18	ASP	
	Panchak STP	2004	Operational	7.5	7	ASP	Godavari River
	Panchak STP	2012	Operational	21	20	ASP	
	Panchak STP(New)	2016	Operational	32	30	UASB+MBPR	
	Agartakali STP	2015	Operational	70	68	ASP	

	Agartakali STP	2016	Operational	40	38	UASB+M BPR	
	Tapovan STP	2003	Operational	78	75	UASB	
	Tapovan STP	2010	Operational	52	50	UASB	
	Gangapur STP	2023	Operational	18	18	SBR	Godavari River

	Pimpalgaon Khamb STP	2023	Operational	32	-	SBR	Godavari River
Trimbakeshwar (Municipal Council)	Trimbakeshwar	-	Operational	0.7	-	Primary & Secondary	
Trimbakeshwar (Municipal Council)	Trimbakeshwar	-	Proposed	4.5	-	Primary & Secondary	
Paithan (Municipal Council)	Paithan	-	Operational	1.7	-	Primary & Secondary	
Kopargaon (Municipal Council)	Kopargaon	-	Proposed	10	-	Primary & Secondary	
Gangakhed (Municipal Council)	Gangakhed	-	Proposed	5.5	-	Primary & Secondary	

Table 5 Major Cities/Towns on Polluted River Stretches

Sr. No.	Name of City/Town	Name of Administrative District	Class of Local Body	Population as per Census 2011
1.	Tryambakeshwar	Nasik	C class Municipal Council	168,423
2.	Nasik	Nasik	B class Municipal Corporation	1,486,053
3.	Kopargaon	Ahmednagar	B class Municipal Council	65,273
4.	Paithan	Chh. Sambhajinagar	C class Municipal Council	41,536
5.	Gangakhed	Parbhani	B class Municipal Council	49,891
6.	Nanded	Nanded	C class Municipal Corporation	550,439

1.4 An insight of the Cities/ Towns Located on Godavari from Nasik D/s to Paithan

1.4.1 Tryambakeshwar

Water Supply and Sewage Generation: The source for water supply to Trimbak city is Amboli dam at a distance of 11 km from Trimbakeshwar. The capacity of the dam is 129.37 ML/ft2. The water reservation for the city is 26MCFT. During 2003, during *Sinhastha Kumbhmela*, a sewage treatment plant is constructed with MBR technology. The plant is located at the back side of the Shiva Temple with a capacity of 1.0 MLD.

1.4.2 Nasik

Water Supply Sewage Generation and Treatment: Nasik city receives piped water from two sources Gangapur dam headwork's on river Godavari, which supplies almost 1.6 million residents of NMC area and Headwork's on river Darna which services Nasik Road area.

Presently Nasik Municipal Corporation is pumping 450 MLD raw water from these two sources. The average supply of drinking water to citizen is at 150 LPCD. Nasik has Sewage Treatment Plant shaving combined capacity of 392.5 CMD and all are operating. Details of STPs are mentioned in Table below

1.4.3 Kopargaon

Situated in 19°54' north latitude and 74°33' east longitude. Kopargaon is the head-quarters of the taluka. Municipality was established in 1947. Kopargaon Municipal Council is a B class Municipal Council. Water source for Kopargaon Municipal Council is Darna and Nandur Madhyameshwar dam. Water consumption of Kopargaon Municipal Council is 11 MLD and Quantity of domestic effluent generated is 7 MLD whereas there is no adequate treatment facility available to treat the sewage generated. Sanjivini (Takli) S.S. K. Ltd. is located in close proximity of river generating trade effluent 313 CMD and Domestic effluent 104 CMD. Godavari Biorefineries Ltd is also located in close proximity of river where as industry is not generating effluent.

1.4.4 Paithan

An ancient town in the Chh. Sambhajinagar district is located on the north bank of the river Godavari. A shrine of saint Eknath Maharaj rests on the banks of river Godavari. Paithan Municipal Council is a C class Municipal Council. Having water consumption 2.4 MLD and Sewage generation is of 1.7 MLD. There is no adequate treatment facility available to treat the sewage generated. No effluent generating industries were identified from river pollution point of view.

1.4.5 Gangakhed

It is a city and a municipal council in Parbhani district. It is situated on the bank of Godavari river it has largest number of various temples on the bank of the holly river. Water sources for town is Godavari and Masoli river. Water consumption for town is 5 MLD. Domestic waste water generation is 3.5MLD. There is no adequate treatment facility available to treat the sewage generated. No effluent generating industries were identified from river pollution point of view.

1.4.6 Nanded

It is one of the historical places in Marathwada region of Maharashtra State. It is situated on the north bank of Godavari river. It is famous for Sikh Gurudwaras. Nanded City is getting treated water from the W.S. operated by Corporation and CIDCO. The total supply is considered at 135 lpcd. City is having Godavari River as source with four head works situated on the banks of Godavari 2 in submergence of Shankar Sagar (Vishnupuri Dam) and two downstream of Dam. Treated water is served to CIDCO from WTP of capacity 12.5 MLD. Major Part of the city is being served with the WTP having capacity 60MLD. Presently average rate of water supply is 85 LPCD. There are 3 STPs available having capacity of 87 MLD and 30 MLD & 15 MLD.

All **domestic sewage** should be properly treated and its entry into river water should be prevented. The treatment can be carried out as follows:

- **For small villages (population less than 1000)** – root zone technology, Phytoremediation techniques can be used.
- **For small villages or municipal councils (Population 1000 to 10000)** – underground drainage system (100%) can be developed.
- **For towns and cities (Population more than 10000)** – underground drainage system (100%) can be developed

Table 6 Details of Proposed Sewage Treatment Plants

City/ Town	Name and Address of STP	Designed Capacity (MLD)	Treatment	Target year of Completion
Nanded	Dunkin STP of 10 MLD	10	Primary & Secondary	2028
Nashik	Gangapur- Phase-II	11.5	Primary & Secondary	2027
Nashik	Makhmalabad STP	50	Primary & Secondary	2028
Nashik	Kamatwada STP	66	Primary & Secondary	2028
Trimbakeshwar	Trimbakeshwar New STP	4.5	Primary & Secondary	2026
Kopargaon	Kopargaon STP	10	Primary & Secondary	2027
Gangakhed	Gangakhed STP	5.5	Primary & Secondary	2028
Total 7 STP proposed				

Table 7 Domestic sewage aspects on the river stretch

Sr No	Particular	Remarks
1	Details of drainage system/sewerage network present/proposed	Drainage work is taken up along with the STP construction work.
2	Proposal for utilization of sewage	The Infrastructure Projects are mandated by MPCB to recycle 60% of treated sewage for secondary use by providing dual pipeline. The Local Bodies will be encouraged to reuse treated sewage for various purposes including to Thermal Power Plants wherever possible. e.g. Koradi TPS is receiving 100 MLD of treated sewage from Nagpur city.
3	Ground water extraction & consumption	There is groundwater extraction either for irrigation or for domestic purpose. Specially in the dry areas of Marathwada.
4	STP sludge management	STP sludge is disinfected and used as manure.
5	Proposal for ground water recharging/rain water harvesting	The EC has mandated rainwater harvesting.
7	Adopting good irrigation practices	Agriculture Department, GoM & Water Resource Department, GoM is requested for implementation.
8	Protection and management of Flood Plain Zones (FPZ)	Water Resource Department, GoM is requested for implementation.
9	Plantation on both sides of the river	Water Resource Department, GoM is requested for implementation.
10	Setting up of biodiversity parks on flood plains by removing encroachment	Water Resource Department, GoM is requested for implementation.

Further, there are 4 STPs in Chh. Sambhajinagar Region, two of which have been provided by Chh. Sambhajinagar Municipal Corporation. The other two have been provided by the Nanded- Waghala City Municipal Corporation. The total treatment capacity of these STPs is 128.5 MLD. The total domestic effluent received at these STPs was 51 MLD and all of it was treated by these STPs. The mean of annual performance and analysis of all STPs provided in Chh. Sambhajinagar Region are represented in **Table 8**.

Table 8 Mean of Annual Performance of STPs in Chh. Sambhajinagar Region.

Location	Parameters (mg/l)					
	pH		BOD (Mean)		S.S. (Mean)	
	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
CIDCO STP near Chikalthana Airport, Chh. Sambhajinagar	-	8	-	48	-	-
STP at Saleem Ali Sarovar, HUDCO, Chh. Sambhajinagar	-	7.5	-	39	-	-
Nanded Waghala City Municipal Corporation, Bondar STP, Nanded (87 MLD)	-	7.8	-	97	-	57
Nanded Waghala City Municipal Corporation, Elichpur STP Nanded (30 MLD)	-	7.8	-	95	-	53

It can be observed from **Table 8.** that the outlet values of BOD and suspended solids were not within the prescribed discharge standards at all locations.

In Nashik Region, There are 10 STPs in this Region. The collective treatment capacity of eight of the remaining STPs is 220.8 MLD. The total domestic effluent received at these STPs was 409 MLD, and the total quantity of domestic effluent treated at these STPs was 302 MLD. The mean of annual performance and analysis of all STPs provided in Nashik Region are represented in **Table 9.**

Table 9 Mean of Annual Performance of STPs in Nashik Region

Location	Parameters (mg/l)					
	pH		BOD (Mean)		S.S. (Mean)	
	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
Trimbakeshwar	7.8	7.6	101	98	NA	NA
Panchak (7.5 MLD)	7.6	7.59	118	46	NA	NA
Panchak (21 MLD)	7.5	7.46	202	58	NA	NA
Chehedi (20 MLD)	7.7	7.6	134	26	NA	NA
Chehedi (22 MLD)	7.8	7.82	97	35	NA	NA
Tapowan (78 MLD)	7.6	7.56	101	48	NA	NA
Tapowan (52 MLD)	7.6	7.67	93	41	NA	NA
Shirdi Nagar Panchyat	7.8	7.7	25	15	NA	NA
Shirpur Municipal Council, Shirpur	7.3	7.26	38	12	140	122

1.5 Drain out-falling in River Godavari

There are six drains that falls into the River Godavari which are as follows:

Table 10 Primary Details of Drains in Nasik city

1	Name of Drain		1. Chikhali Nalla 2. Gangapur/Bardan phata nalla. 3. Someshwar 1 / 2 Nalla. 4. Anadwali Nalla
2	Source of pollution load		1. Domestic Waste 2. Domestic Waste 3. Domestic Waste 4. Domestic Waste
3	If industrial/Mixed (name of the units & sector) and details to be confirmed from the regional officers of SPCB		NA
4	Traceable length (in km) before meeting the river (through Google earth map)		1. 2.5 Kms 2. 0.5 Kms 3. 1 kms 4. 0.5 Kms
5	Coordinate of the confluence point(if not reachable indirect through Google earth /map) (decimal units)	Latitude	1. 20°01'14.2"N 2. 20°02'09.1"N 3. 20°01'20.4"N 4. 20°01'08.4"N
		Longitude	1. 73°44'21.9"E 2. 73°43'04.3"E 3. 73°43'49.5"E 4. 73°44'49.6"E
6	Landmarks/Address of the Location		1. Near blue leaf hotel. 2. Gangapur Vilage. 3. Near Someshwar temple. 4. Near Chandasi Road.
7	Flow (if in MLLD)if Zero, indicate weather dry or stagnant		--
8	Observations		1. Domestic effluent is directly discharged into chikhali nalla by vekhe nalla from satpur area. 2. Domestic effluent is directly discharged into nalla by residential area.

		<p>3. Domestic effluent is directly discharged into nalla by residential area.</p> <p>4. Domestic effluent is directly discharged into nalla by residential area.</p>
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Table 11 Primary Details of Drain in Gangakhed city

1	Name of Drain	Kaplicha Nallah, Tal. Gangakhed, Dist. Parbhani
2	Source of pollution load	Domestic
3	If industrial/Mixed (name of the units & sector) and details to be confirmed from the regional officers of SPCB	NA
4	Traceable length (in km) before meeting the river (through Google earth map)	0.5 Km
5	Landmarks/Address of the Location	Back side of Hanuman Temple, Tal. Gangakhed, Dist. Parbhani
6	Flow (if in MLLD)if Zero, indicate weather dry or stagnant	About 5 MLD
7	Observations	1. At Present the water was stored & channelized for collection of impurities before entering into Godavari River.

Table 12 Primary Details of Drain in Nanded City

1	Name of Drain	Chunal Nallah (Back side of Kadhakpur to Godavari river)
2	Source of pollution load	Domestic
3	If industrial/Mixed (name of the units & sector) and details to be confirmed from the regional officers of SPCB	NO
4	Traceable length (in km) before meeting the river (through Google earth map)	03 Km
5	Landmarks/Address of the Location	Nalla meets River Godavari Near Urvashi Mahadev Mandir at Daikan

6	Flow (if in MLLD)if Zero, indicate weather dry or stagnant	1 MLD
7	Observations	-

Table 13 Particulars of Drains Falling into River Godavari

S.N	Location	Name of drain	Length in kms	Discharge (MLD)
1	Nashik	Chikhali Nalla	2.5	1.5
2	Nashik	Gangapur/Bardan phata nalla.	0.5	2.5
3	Nashik	Someshwar 1 / 2 Nalla	1.0	1.0
4	Nashik	Anadwali Nalla	0.5	0.5
6	Nanded	Chunal Nalla	3	2.0

Table 14 Status of Water Quality in Drain

Sr. No.	Regional Office	Major Drain	BOD(mg/l)	COD(mg/l)
1	Nashik	Chikhali Nalla	18	55
3	Nanded	Chunal Nalla	87	164

1.6 Status of Water Quality

The river water analysis was carried out to show that the general status of the river Godavari at various stretches in the four districts viz Nasik, Ahmadnagar, Chh. Sambhajinagar and Nanded. These are river pollution stretches identified by the CPCB. The sampling was carried out for all identified pollution stretches. The samples were tested for physico-chemical analysis including the bacteriological analysis.

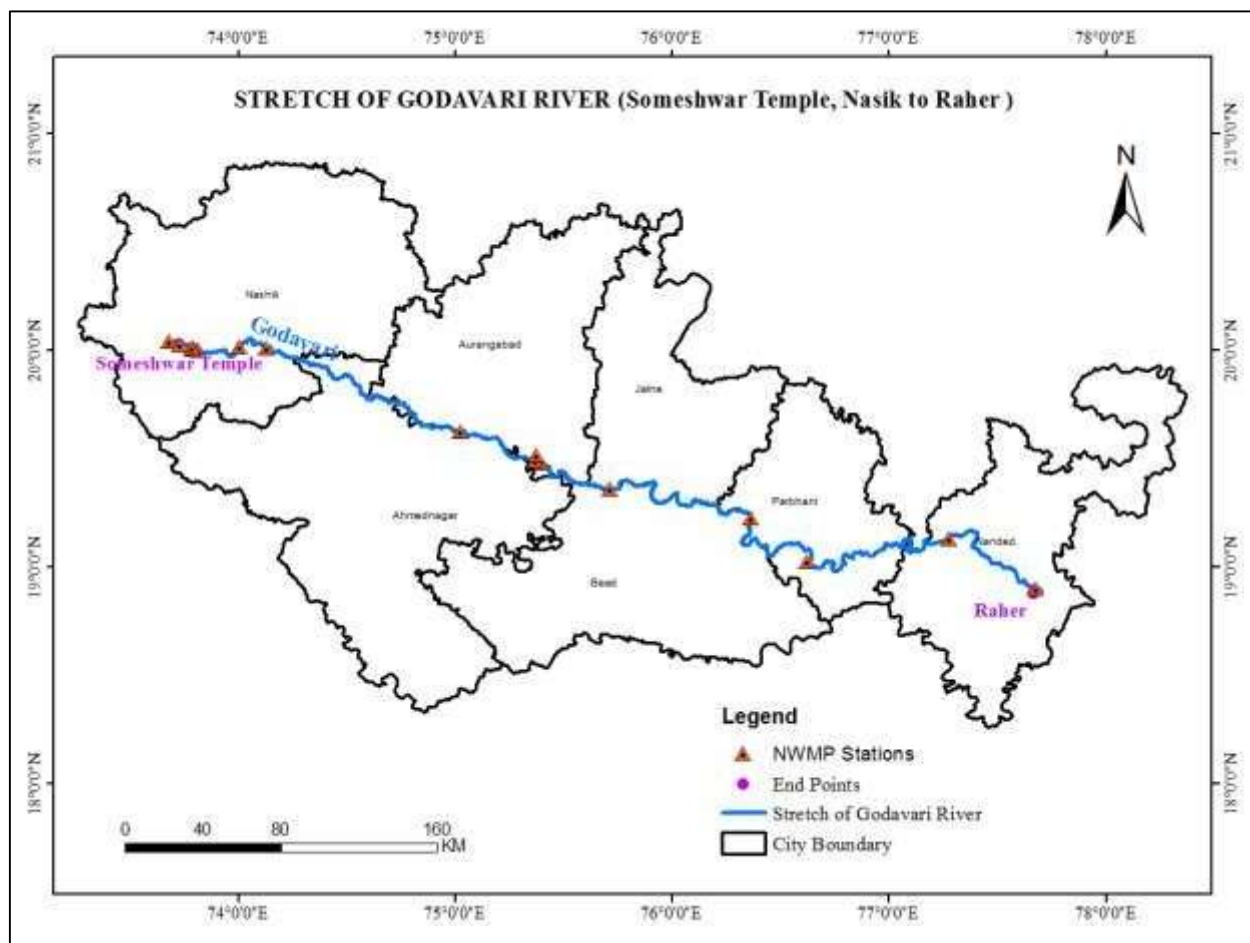


Figure 3 Map Showing NWMP Stations across Stretch of Godavari River

With these laboratory results, it will enable to analyze the impact of human activities on the identified locations with respect to its upward and downward stream. The monthly status of water quality for the year 2017 & 2018 at two NWMP locations for different parameters such as pH, DO, BOD, FC and TC are provided in the following table:

Table 15 Water Quality Monitored at Dhalegaon

Year	pH (6.5-8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100 ml	Water Quality Criteria of Bathing
2023	8.27	6.33	4.58	7.63	Non Complying
2024	8.34	6.88	3.6	2.62	Non Complying

Table 16 Water Quality Monitored at U/s of Gangapur Dam

Year	pH (6.5- 8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100 ml	Water Quality Criteria of Bathing
2023	7.62	6.17	3.1	7.67	Non Complying
2024	8.02	5.9	3.23	8.13	Non Complying

Table 17 Water Quality Monitored at Panchvati, Ramkund

Year	pH (6.5- 8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100 ml	Water Quality Criteria of Bathing
2023	7.73	5.45	3.78	10.83	Non Complying
2024	7.88	5.28	4.79	12.76	Non Complying

Table 18 Water Quality Monitored at Raher

Year	pH (6.5- 8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100ml	Water Quality Criteria of Bathing
2023	8.5	6.45	4.22	9.02	Non Complying
2024	9.11	7.23	4.58	2.71	Non Complying

Table 19 Water Quality Monitored at Intake of Pump house

Year	pH (6.5-8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100ml	Water Quality Criteria of Bathing
2023	9.25	7.37	4.07	9.64	Non Complying
2024	9.14	7.45	4.09	2.71	Non Complying

Table 20 Water Quality Monitored at Nasik D/s near Amardham

Year	pH (6.5-8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100ml	Water Quality Criteria of Bathing
2023	7.65	5.56	3.63	8.58	Non Complying
2024	7.91	4.36	6.27	9.44	Non Complying

Table 21 Water Quality Monitored at Jaikwadi Dam

Year	pH (6.5-8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100ml	Water Quality Criteria of Bathing
2023	8.6	6.6	3.69	3.01	Non Complying
2024	9.3	7.37	3.73	1.8	Non Complying

Table 22 Water Quality Monitored at Latur Water Intake near Pump house

Year	pH (6.5-8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100ml	Water Quality Criteria of Bathing
2023	7.98	6.03	3.78	1.8	Non Complying
2024	7.97	6.5	4.12	1.8	Non Complying

Table 23 Water Quality Monitored at Paithan U/s of Paithan Intake Pump house

Year	pH (6.5-8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100ml	Water Quality Criteria of Bathing
2023	8.68	6.73	3.61	7.89	Non Complying
2024	9.28	7.24	3.95	2.04	Non Complying

Table 24 Water Quality Monitored at D/s of Paithan at Pathegaon Bridge

Year	pH (6.5-8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100ml	Water Quality Criteria of Bathing
2023	8.65	6.58	4.37	7.42	Non Complying
2024	9.31	7.18	4.42	3.27	Non Complying

Table 25 Water Quality Monitored at U/s of Chh. Sambhajinagar Reservoir Kaigaon Tokka near Kaigaon Bridge

Year	pH (6.5-8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100ml	Water Quality Criteria of Bathing
2023	8.59	6.41	4.85	12.95	Non Complying
2024	9.26	7.17	4.04	6.75	Non Complying

Table 26 Water Quality Monitored at Jalna Intake Water Intake Water Pump house, Shahagad

Year	pH (6.5-8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100ml	Water Quality Criteria of Bathing
2023	8.28	5.92	5.88	10.04	Non Complying
2024	8.36	5.97	5.07	5.56	Non Complying

Table 27 Water Quality Monitored at Someshwar Temple

Year	pH (6.5-8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100ml	Water Quality Criteria of Bathing
2023	7.63	5.88	3.27	9.58	Non Complying
2024	8.06	5.41	6.32	9.07	Non Complying

Table 28 Water Quality Monitored at Hanuman Ghat

Year	pH (6.5- 8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100ml	Water Quality Criteria of Bathing
2023	7.69	5.86	3.42	8.36	Non Complying
2024	7.81	5.21	5.44	10.36	Non Complying

Table 29 Water Quality Monitored at Tapovan

Year	pH (6.5- 8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100ml	Water Quality Criteria of Bathing
2023	7.74	5.1	4.24	9.75	Non Complying
2024	7.89	4.29	7.76	36.73	Non Complying

Table 30 Water Quality Monitored at Kapila-Godavari Confluence Point

Year	pH (6.5- 8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100ml	Water Quality Criteria of Bathing
2023	7.7	5.85	3.43	7.42	Non Complying
2024	7.87	4.67	5.69	21.18	Non Complying

Table 31 Water Quality Monitored at Saikheda

Year	pH (6.5- 8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100ml	Water Quality Criteria of Bathing
2023	7.69	5.87	3.33	7.67	Non Complying
2024	7.78	5.23	4.96	9.9	Non Complying

Table 32 Water Quality Monitored at Nandur-Madhameshwar Dam

Year	pH (6.5- 8.5)	DO (mg/L), 05 Mg/L or More	BOD (mg/L), 03 Mg/L or Less	FC MPN /100ml Less than 500 MPN/100ml	Water Quality Criteria of Bathing
2023	7.66	5.93	3.3	8.5	Non Complying
2024	7.87	5.68	4.13	8.56	Non Complying

It is observed from above analysis, that most of the location are not complying to the bathing standards of 3mg/lit of BOD. That is due to non-availability of the dilution water at disposal location in the river bed. The necessary dilution will be achieved by way of discharging necessary water quantum required to maintain e-flow from dam in a periodical manner. The usual water cycle of the release of water is mostly for irrigation and domestic purposes from interval of 21 days to 45days. The continuous e-flow will be achieved subject to availability of the water in the dam.

The stations located at Nasik are showing higher levels of the BOD, whereas other locations downstream of Nasik shows BOD in the range of <10mg/lit. Due non availability of the sewerage system in Nasik city to collect sewage from slum area.

1.7 Status of Industrial Effluent and Treatment facilities

The industrial Statistics in Chh. Sambhajinagar & Nashik region is represented in following Table.

Chh. Sambhajinagar Region		
LSI	MSI	SSI
269	22	5378
136	80	2004
208	105	854
White - 26		
Nashik Region		
LSI	MSI	SSI
337	45	6117
173	61	2312
458	112	2056
White - 93		

In Chh. Sambhajinagar Region, there is one operational CETP provided viz. M/s. Waluj CETP Pvt. Ltd. located at MIDC Area, Waluj with a treatment capacity of 10 MLD. The collective amount of effluent generated by industries in Chh. Sambhajinagar was 63 MLD..

In Nanded no Industrial Estate and No Industry is located about 2 km radius of the river. 2 Nos of MIDC's i.e MIDC Nanded and MIDC Krushnoor are located more than 2.0 kms and 10.0 kms from the river respectively. Major industries are Agrobases and Engineering industries. No CETP exists in this jurisdiction.

In Nashik No Industrial Estate and No Industry is located about 1 kms radius of the river. 2 nos of MIDC's i.e MIDC Satpur and MIDC Ambad located more than 2.5 kms and 4.0 kms from the river respectively. Major industries are Engineering and Automobile Industries. No CETP exists in this jurisdiction. However CETP of 0.5 MLD for Electroplating industries is Proposed in MIDC Ambad, Nashik.

In Paithan no effluent generating industry is located in the catchment area of the Godavari river basin.

In Gangakhed no industry located in the catchment area.

Table 33 District wise particulars of Industries

	Category of Industries	No of Industries	Remarks
Nanded	Orange	487	1. No Industrial Estate and No Industry is located about 2 km radius of the river
	Red	224	2. No CETP exists in this jurisdiction. 3. 2 Nos of MIDC"s i.e MIDC Nanded and MIDC Krushnoor located more than 2.0 kms and 10.0 kms from the river respectively. Major industries are Agrobased and Engineering industries. 4. 8 effluent generating units: Water consumption – 2 MLD Industrial effluent – 0.45 MLD Domestic effluent – 0.15 MLD

Nashik	Orange	1221	<ol style="list-style-type: none"> 1. No Industrial Estate and No Industry is located about 1 kms radius of the river 2. No CETP existing in this jurisdiction. 3. 2 nos of MIDC's i.e MIDC Satpur and MIDC Ambad located more than 2.5 kms and 4.0 kms for the river respectively. Major industries are Engineering and Automobile Industries. 4. However 1 no of Common Bio medical site is located at the bank of the River Godavari. They have provided Full-fledged Treatment facility. 5. MIDC Satpur – 0.5 MLD proposed CETP will be operational in 1 year with ZLD condition. Total 800 Industries. Most are engineering units except 45 effluent generating electroplating units. 21 MLD water supply – 16 MLD domestic effluent + 1.5 MLD industrial effluent
	Red	1326	
Chh. Sambhajinagar	Orange	934	<ol style="list-style-type: none"> 1. Chh. Sambhajinagar (Paithan – River Godavari) - No any effluent generating industry is located in the catchment area of the Godavari river basin near Paithan city. 2. Water Consumption – Waluj MIDC – 18 MLD (40 Kms from river basin, 4.5 MLD CETP operational) Shendra – 5 MLD Chikalthana – 4 MLD Paithan – 1 MLD (Tiny industries – mostly green and orange)
	Red	1189	

Table 34 Particulars of Industries

Sr No	Particular	Remarks
1	Particulars of Industries	Details provided in Table 31
2	No. of Directions issued to Industries	Nil
3	Total water consumption and total	--

	industrial effluent generation	
4	No. of industries having captive ETPs	All Units
5	No. of CETPs existing in the catchment of the polluted river stretch and the treatment capacity	There is one CETP in MIDC waluj area of Capacity 10 MLD & its treated effluent discharge point is in the Kham River which further meets to Jaikwadi Dam. But, all water from Kham river is lifted by nearby farmers. The said CETP is not located in the catchment area of the polluted river stretch of Godavari River & the said CETP is most of the time complied with the consented standards. No CETP in Nashik District.
6	No. of Industries that are members of the CETPs	528 Nos. of industries are the members of CETP
7	Gaps in treatment of industrial effluent	The industries are achieving the consented standards. Hence, no Gap and no Industry is allowed to discharge effluent in river.
8	OCEMS installation Status by Industries	05
9	Status of Hazardous Waste Generation and Treatment	HW generated from industry is disposed through CHWTSDF. Maharashtra Enviro Power Ltd. MIDC, Ranjangaon, Dist. Pune Capacity – Landfill – 60000 TPA Incinerable – 20000 TPA Lifespan – 20 years

1.8 Waste Management

Table 35 Status of Waste Management

Sr. No	Particular	Remarks		
		City/Town	Population	Qty Generated (MT/day)
1	Total MSW Generation	Nashik M. Corporation.	17,00,000	558.0
		Trimbakeshwar M. Council	12,000	6.0
		Gangakhed M. Council	49,891	16.0
		Paithan M.Council	41,536	6.0
		Nanded-Waghala M. Corporation	5,55,000	250.0

2	Existing MSW treatment and disposal facilities	City/Town	Qty Treated (MT/day)	Identified Sites	MSW Processing facility
		Nashik M. Corporation.	501.0	Sr. No. 278, Pathardi Shivar, Dist- Nashik	Composting , Leachate Treatment, RDF, Biomethanation, SLF, Plastic processing plant, Carcass incineration
		Trimbakeshwar M. Council	4.0	G. N. 49,Vill- Kojuli, Trimbakeshwar	Composting Bio Methanation
		Gangakhed M. Council	3.5	Gut. No. 72 of Village Pimpri,Dist- Parbhani	Composting, Landfill
		Paithan M.Council	NIL	S. No 54, Panthewadi.,Dist- Aurnagabad	Dumping
		Nanded- Waghala M. Corporation	NIL	Gut No.372,Vill- Tuppa Dist-Nanded.	Dumping
3	Bio-medical waste Management	District	Qty Generated (Kg/day)	Treatment Capacity	
		Nashik	3000	Incinerator - 250 Kg/Hr Autoclave - 400 liter/cycle	
		Chh. Sambhajinagar	1600	Incinerator - 250 Kg/Hr Autoclave - 400 liter/cycle	
		Nanded	904	Incinerator - 100 kg/hr Autoclave - 50 liter/cycle	
4	E-Waste management	E-waste generated by industries is sent to MPCB authorized E-waste reprocessor.			
5	Hazardous Waste Management	HW generated from industry is disposed through CHWTSDF. Maharashtra Enviro Power Ltd. MIDC, Ranjangaon, Dist. Pune Capacity – Landfill – 60000 TPA Incinerable – 20000 TPA Lifespan – 20 years			

1.9 Greenery Development Plan of Forest Department, Government of Maharashtra

For maintaining the transparency, accountability and credibility, all the data relating to site selection for plantation with Geo-Tagging, development of Nurseries, digging of pits, availability of manpower, actual plantation and survival of the trees planted etc. is uploaded on the Digital

Platform of Forest Department so that people can access the data at any given point of time. This has helped to build confidence amongst the people and their ever increasing participation in the plantation programme.

For the registration of plantation by the individuals, private NGOs and other stakeholders of society the mobile application called "My Plants" has been developed. Similarly, the programs like "Saplings at the Door Step", "Digital visibility on social media", "publicity campaign" are being implemented for greater public participation.

In Marathwada region of the State having low forest cover, a dedicated "Eco-Battalion" has been established at Chh. Sambhajinagar for tree plantation and its protection under the Defense Ministry of GOI considering establishing two more companies of this force at Beed & Latur.

The Forest Department is trying its level best to increase the Forest and Tree cover in the State by various innovative ideas by involvement of people in the plantation & its protection especially on Non-Forest areas as forest area is limited. Massive tree plantation program in urban & rural areas under the scheme "Nurturing Trees is Worshiping Nature" has been launched by the Govt. in line with Ranmala Village in Khed Taluka of Pune District.

The Tree based Agriculture under Mahatma Gandhi National rural Employment Guarantee Scheme (MG-NREGS) Kanya Van Samruddhi Yojana, Bhausaheb Phundkar Horticulture Plantation Programme in co-ordination with Agriculture Department, Sericulture Plantation in coordination with Textile Department, Riverside Plantation are some of scheme initiated for increasing green cover in the Non- Forest areas.

1.10 Plan for restoration of water quality

The samples were analyzed and presented graphically in comparison to all identified sampling locations. It was interpreted from the results that the water parameters are well within the prescribed standards of A-II River. The following measures are recommended:

1. **De-siltation of Gangapur Dam:** The requirement of water for religious, social and ecological functions needs to be carved out. The decrease in dam storage will be detrimental for all these stakeholders and sectors. Therefore, De-silting should be taken up on priority basis after proper assessment and techno-economic feasibility study. De- siltation of Gautami – Godavari, Kashyapi and Gangapur will be helpful in maintaining environmental

flow of Godavari. Further it is also recommended that at de-siltation of other dams also need to be carried out.

2. **Religious Activities Impacting River Quality:** Devotees perform various kinds of Pujas at certain places at the bank of the river. This leads to addition of organic matter in to the river directly. Some of the activities are as below:
 - Proper use of collection facility for *nirmalya* should be placed at every religiously significant place like temples, ghats.
 - “Pindadan comprising of cooked rice during *Dashakriya* and *nirmalya* in the river at Ramkund.
 - Human body ash (*Asthi*) Visarjan activities at Ramkund.
 - *Bhaji bajar* and stalls of offerings to Devotees near river banks.
3. **Disposal of Nirmalya:** Placing of nets on the bridges to avoid throwing of *nirmalya* across the riverflow and also downstream of holy places such as Ramkund, Tapovan to collect floating Nirmalya disposed by the devotees can be helpful to reduce the amount of *nirmalya* in the river. At present, many permanent ghats have been constructed on the bank of River Godavari. As the river Godavari is a non-perennial river, the banks of the river must be protected. Hence temporary ghats may be built if more ghats are needed in the future. Volunteers should be appointed for effective collection and disposal of such material. Awareness programs should be organized for adoptions of the improved system for pollution prevention.
4. **Collection of Domestic Wastewater:** 100% collection of wastewater from the Nasik Municipal area should be achieved in order to avoid any wastewater directly entering into the river. Wherever collection process is not feasible in short time, in situ nallah treatment should be adopted. Prior to awarding permission for development of new residential areas in the outskirts of the city, there should be provision of sewerage network and STP of appropriate capacity and accordingly authorities should take prompt action for construction of new STP. It is recommended to have soak pits for villages in close proximity of river in order to avoid direct discharge of sewage in to the river.
5. **Status of Sewer:** Regular operation and maintenance sewers and sewerage chambers should be done as leakages or breakages in either can lead to flow of huge quantity of sewage in to the river Godavari. Deliberate breakages of Sewage chambers should be checked and stopped by undertaking strict actions and providing alternatives by using treated water for irrigation through decentralized system. The centralized sewer system is always problematic due to multiple lines and expensive due to need for pumping which requires electricity. All conventional sewer and STPs require very high O&M costs, especially uninterrupted power and trained manpower. Hence Decentralized wastewater treatment is recommended at least for all multi complex projects.
6. **Maintenance and Up-Gradation of STPs:** Regular maintenance and up gradation of STPs should be carried out for effective treatment of wastewater. The working status of each STP performance unit should be strictly checked.

7. **Industrial Wastewater:** Reuse and recycle of treated wastewater for construction, gardening etc. Purposes should be implemented.

8. Other Recommendations

- Activities such as soil excavation, brick making on the bank of river is seriously affecting the quality of river water, hence such activities should be strictly prohibited up to 500 m. from high flood line.
- It is recommended to implement River Regulation Zone policy strictly to restrict activities in the river bank.
- Encroachments, depositions, construction or any kind of developmental activities on the bank of rivers should be banned.
- Nallah Treatment System shall be provided so as to stop sewage entering into the River.

Table 36 Time bound Action Plan to improve water quality for Godavari River

Sr. No.	Target/Action Plan Expected	Agency / Organization	Expected Duration for Implementation
1	Provide STP for treatment of sewage generation to avoid contamination of River	Concerned ULB	3 Years
2	Provide STP for treatment of sewage generation and MSW treatment Facility in the villages/towns located on the bank of river to avoid contamination of River	Concern Grampanchayat and Zilha Parishat	2 Years
3	In-Situ Nallah Treatment to stop sewage entering into the River	Municipal Corporation	1 year
4	To stop bathing in river water & open defecation at bank of river. Also, proper disposal of human excreta and sewage.	Local Body & Police Department.	10 Months
5	Regular cleaning of river bed and regular flow monitoring should be initiated.	Local Body & Irrigation Department.	Continuous
6	To prevent growth of Algae/Eicchornia in river bed by installation of floating rafters and screen bars.	Local Body & Irrigation Department.	Continuous
7	Effective operation, collection & treatment of MSW.	Municipal Corporation	10 Months

8	Up-gradation of existing STPs to meet 10mg/lit BOD Outlet standard	Municipal Corporation	3 Years
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Table 37 Long term action plan

Sr.No.	Activity	Responsibility	Time Frame
1	Compulsory application of water meter.	Nanded Municipal Corporation Nashik Municipal Corporation	3 Year
2	Maintaining continuous flow in the river	Nanded Municipal Corporation Nashik Municipal Corporation, Irrigation Department	3 Year
3	For the treatment of 100% waste water prepare a plan, construct & operate STP in scientific manner	Nanded Municipal Corporation Nashik Municipal Corporation	3 Years
4	Up-gradation of existing STPs to meet 10mg/lit BOD Outlet standard	Nanded Municipal Corporation Nashik Municipal Corporation	3 Years
5	Exploration, development and augmentation of groundwater resources	Groundwater Surveys & Development Agency (G.S.D.A.)	Continuous
6	Groundwater Monitoring	Maharashtra Pollution Control Board, Ministry of Drinking water & sanitation	Continuous
7	Provision of adequate funds	Urban Development	1 Year for

	to Local Bodies located at bank of the river	Department, Municipal Administration, Rural Development Department	planning & 3 years for implementation
8	Tree Plantation in catchment area & banks of the river	Forest Department, Water Resource Department	2 Year
9*	Maintaining e flow of the river, protection of flood plain zone, development of Bio Diversity Park	Forest Department, Water Resource Department	1 Year for planning & 3 years for implementation
10	Prevention of Agricultural run-off to the river	Agriculture Department	1 Year for planning & 3 years for implementation
11	Up-gradation of existing STPs to meet 10mg/lit BOD Outlet standard	Concerned ULB	3 Years*

***Note:** All existing STPs needs to be upgraded and modernized for achieving for 10BOD outlet standards as existing STPs are designed way back based on 30 BOD disposal standard i.e. stream standards as per EPA. Up-gradation will be completed in next 3 years as per the notification dated 24th November 2015 & directions of CPCB.

1.11 Budget Estimates & Pooling of Resources from Local Bodies, State Pollution Control Board, State Government & Central Government

- Chh. Sambhajinagar Municipal Council, Gangapur Municipal Council, Paithan Municipal Council, Nanded Municipal Council, Beed Municipal Council, Pimpalgaon Municipal Council & Nashik Municipal Corporation will provide following adequate. for STPs & management of sewerage system. The said work will be completed by 2028
- Maharashtra Government has already received proposal of Rs. 1104.54Cr. Under State River Conservation Program & form this amount State Government will provide necessary funds in next 2 years by 2026 for Sewage management
- The Maharashtra Pollution Control Boards has also reserved Rs. 461.42Cr. for preparation of action plan for abetment & Control of Pollution of River Water due to sewage & solid waste disposal from B & C Municipal Councils , Nagar Panchyat & Gram Panchayat for reducing polluted stretches in compliance with Hon“ble NGT, principal bench directions w.r.t. “More River Stretches are now Critically Polluted. The said funds will be used for DPR preparation, development of infrastructure for sewage collection & treatment & development of infrastructure for Solid Waste Management. The DPR preparation & implementation of the same will be completed by year 2028 (i.e in next 3 years).The Maharashtra Government through Urban Development Department has approved DPR of

all Urban Local Bodies for Solid Waste Management. The funds for the same are approved by Government & the said DPRs will be implemented & Solid Waste Management issues will be resolved by 2028.

Proposed plans for maintaining e-flow: River flows only in Monsoon season & whenever dam water is released. The amount of water released from dam is such that it will not over flow from next weir at the downstream.

1.12 Timelines for Implementation of Restoration Plan

Activities/Year	2024	2025	2026	2027	2028
Reconnaissance Survey					
Water Quality Sampling					
Execution (Setting up of STPs)					
Execution (MSWM system)					
Augmentation of River Flow if any and restoration of water quality					

1.13 Governance and Supervision

1.13.1 Two Tier Monitoring

Monitoring will be done by the concerned Departments/ Agencies, which are executing or responsible for particular activities and it will be their primary responsibility to ensure compliance of the Action Plan. In addition, there will be two level of Committees to review and monitor the status: (i) District Level Task Force (ii) River Rejuvenation Committee

1.13.1 District Level Special Task Force:

The District Level Special Task Force will monitor the Status of implementation of the Action Plan at the district Level.

1.13.2 River Rejuvenation Committee:

The River Rejuvenation Committee will monitor the Status of implementation of the Action Plan at the State Level.